B.I.R.O. Technology Transfer in new member States

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Objectives Technology Transfer

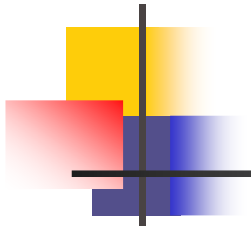
- Migration of data, from various local data sources
- To create local/regional reports from aggregated data
- To create national reports on a set of internationally comparable healthcare quality indicators

Situation in the collection and management of diabetes data

- For each of the three countries we have reported about:
  - The diabetes health care management
  - How data is defined (data dictionary, items, minimum dataset, standards), Information systems

Diabetes Information Systems

- Health information systems in diabetes tend to be fragmented, inaccurate, cumbersome, untimely, and isolated
- A barrier for BIRO implementation



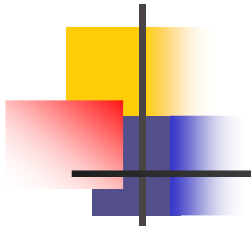
The Challenge

- The vast majority of software development tools used in the diabetes sector today do not support data exchange mechanisms

How to implement BIRO technology?

- We analysed:
- The steps for set-up and execution of the BIRO software tools
- How to create and deliver structured data in XML format (exchange of aggregate data) from local data sources
- How to process these data with BIRO statistical reporting engines.

The steps in exporting of data from a database to XML



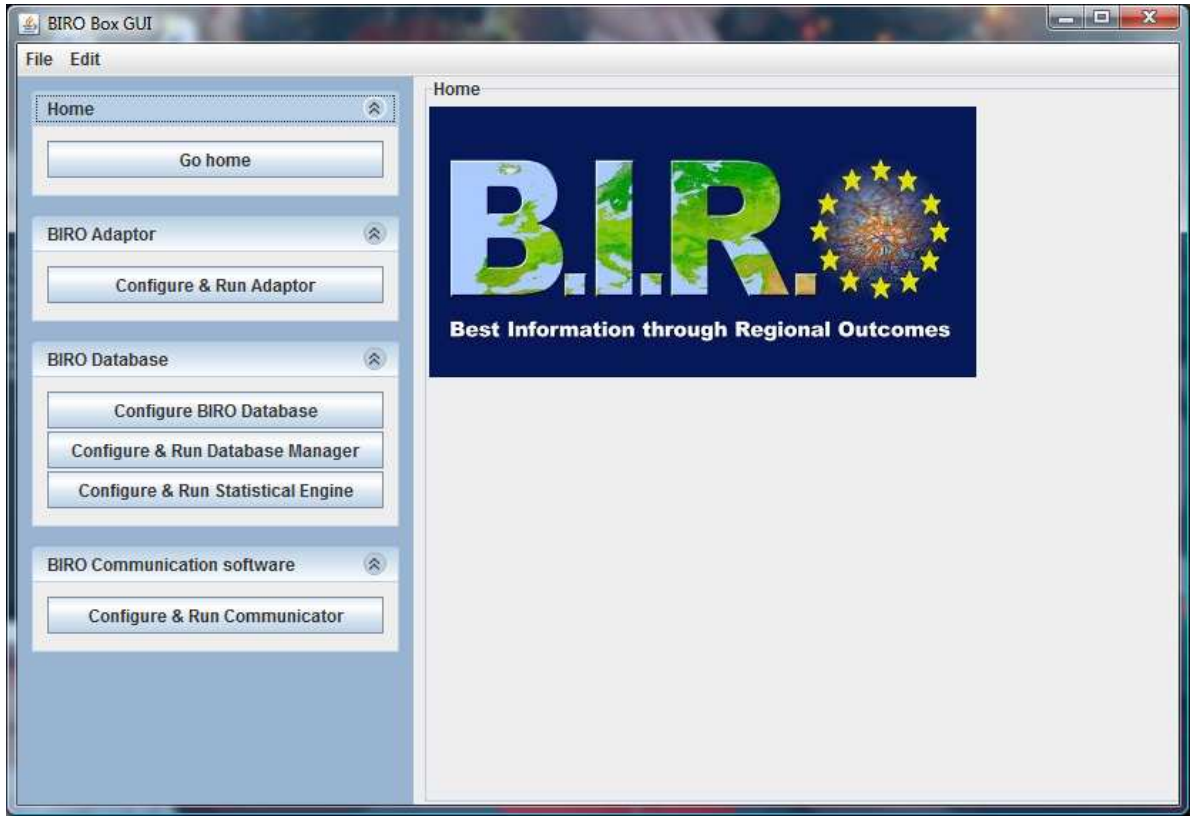
1. Connect to the database
2. Specify the SQL to run to retrieve the data
3. Specify the location of the flat file (XML)
4. Export the data

BIRO implementation

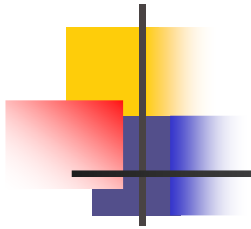
- During Technology Transfer training we used sample data from Cyprus, Malta and Romania

BIRO Box GUI

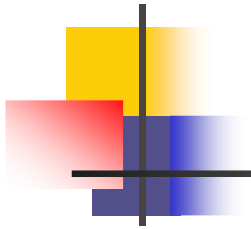
- To open the BIROBoxGUI double click on "runBIROBoxGUI" file and the main BIROBox GUI screen opens
- This is basic BIROBox screen
- A number of individual functions



What have we learned from Technology Transfer



- No special programming knowledge is needed for use BIRO BOX GUI
- Structured information (XML format) can be generated by non-technical personnel



Open Source technologies

- BIRO takes advantage of new Open Source technologies (free license and access to the source code)
- Involves the unidirectional migration of data, from diabetes care locations to the BIRO local data warehouse
- Sends data to central database for analysis with various reporting tools and statistical applications developed through the project.

Thank you!

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